

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	4002-3376/PC445.00
First Inventor	McKay, William F.
Title	NATURAL TISSUE DEVICES AND METHODS OF IMPLANTATION
Express Mail Label No.	EL 984269686 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ *Fee Transmittal Form (e.g., PTO/SB/17)
(submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
3. ☒ Specification [Total Pages 1 33]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table, or a computer program listing appendix or computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 23]
☐ Informal ☒ Formal
5. Oath or Declaration [Total Pages 5]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No: 60/411,547

Prior application information: Examiner: _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

30565

(Insert Customer No)

Name	Woodard, Emhardt, Moriarty, McNett & Henry LLP				
Address	Bank One Center/Tower 111 Monument Circle, Suite 3700				
City	Indianapolis	State	IN	Zip Code	46204-5137
Country	USA	Telephone	(317) 634-3456	Fax	(317) 637-7561

Name (Print/Type)	Timothy N. Thomas	Registration No. (Attorney/Agent)	35,714
Signature	<i>Timothy N. Thomas</i>	Date	September 18, 2003

Express Mail Label Number EL 984269686 US | Date of Deposit September 18, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR Section 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

Timothy N. Thomas
Signature of person mailing paper or fee

This is collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL FOR FY 2003				Complete if Known																																																																																																																																																																																					
<i>Patent fees are subject to annual revision.</i>				Application Number																																																																																																																																																																																					
				Filing Date																																																																																																																																																																																					
				First Named Inventor		McKay, William F.																																																																																																																																																																																			
				Group Art Unit																																																																																																																																																																																					
				Examiner Name																																																																																																																																																																																					
Total Amount of Payment		(\$1674.00)		Attorney Docket Number		4002-3376/PC445.00																																																																																																																																																																																			
METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																																					
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number: 23-3030 Deposit Account Name: Woodard, Emhardt, Moriarty, McNett & Henry LLP				3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner's Action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner's Action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner's Action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner's Action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	630	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))		1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))		1801	750	2801	375	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																					
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																					
1053	130	1053	130	Non-English specification																																																																																																																																																																																					
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																					
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner's Action																																																																																																																																																																																					
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner's Action																																																																																																																																																																																					
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																					
1252	410	2252	205	Extension for reply within second month																																																																																																																																																																																					
1253	930	2253	465	Extension for reply within third month																																																																																																																																																																																					
1254	1,450	2254	725	Extension for reply within fourth month																																																																																																																																																																																					
1255	1,970	2255	985	Extension for reply within fifth month																																																																																																																																																																																					
1401	320	2401	160	Notice of Appeal																																																																																																																																																																																					
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																																																					
1403	280	2403	140	Request for oral hearing																																																																																																																																																																																					
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																					
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																					
1453	1,300	2453	650	Petition to revive - unintentional																																																																																																																																																																																					
1501	1,300	2501	650	Utility issue fee (or reissue)																																																																																																																																																																																					
1502	470	2502	235	Design issue fee																																																																																																																																																																																					
1503	630	2503	315	Plant issue fee																																																																																																																																																																																					
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																					
1807	50	1807	50	Petitions related to provisional applications																																																																																																																																																																																					
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																					
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																					
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																					
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																					
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																																																					
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																					
1. BASIC FILING FEE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility Filing Fee</td><td>750.00</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design Filing Fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant Filing Fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue Filing Fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional Filing Fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>(\$750.00)</td></tr> </tbody> </table>				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1001	750	2001	375	Utility Filing Fee	750.00	1002	330	2002	165	Design Filing Fee		1003	520	2003	260	Plant Filing Fee		1004	750	2004	375	Reissue Filing Fee		1005	160	2005	80	Provisional Filing Fee		SUBTOTAL (1)					(\$750.00)	Other Fee (specify) _____ * Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)																																																																																																																																											
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																				
1001	750	2001	375	Utility Filing Fee	750.00																																																																																																																																																																																				
1002	330	2002	165	Design Filing Fee																																																																																																																																																																																					
1003	520	2003	260	Plant Filing Fee																																																																																																																																																																																					
1004	750	2004	375	Reissue Filing Fee																																																																																																																																																																																					
1005	160	2005	80	Provisional Filing Fee																																																																																																																																																																																					
SUBTOTAL (1)					(\$750.00)																																																																																																																																																																																				
2. EXTRA CLAIM FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>Extra Claims</th> <th>Fee From Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>48</td> <td>-20** = 28</td> <td>X 18 =</td> <td>504.00</td> </tr> <tr> <td>Independent Claims</td> <td>8</td> <td>-3** = 5</td> <td>X 84 =</td> <td>420.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>X 0 =</td> <td>0</td> </tr> </tbody> </table>						Extra Claims	Fee From Below	Fee Paid	Total Claims	48	-20** = 28	X 18 =	504.00	Independent Claims	8	-3** = 5	X 84 =	420.00	Multiple Dependent			X 0 =	0	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Claims in excess of 20</td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Independent claims in excess of 3</td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>**Reissue independent claims over original patent</td></tr> <tr><td></td><td></td><td></td><td></td><td>**Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="4" style="text-align: right;">SUBTOTAL (2)</td><td>(\$ 924.00)</td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1201	84	2201	42	Claims in excess of 20	1203	280	2203	140	Independent claims in excess of 3	1204	84	2204	42	Multiple dependent claim, if not paid	1205	18	2205	9	**Reissue independent claims over original patent					**Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)				(\$ 924.00)																																																																																																																							
		Extra Claims	Fee From Below	Fee Paid																																																																																																																																																																																					
Total Claims	48	-20** = 28	X 18 =	504.00																																																																																																																																																																																					
Independent Claims	8	-3** = 5	X 84 =	420.00																																																																																																																																																																																					
Multiple Dependent			X 0 =	0																																																																																																																																																																																					
Large Entity		Small Entity		Fee Description																																																																																																																																																																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1201	84	2201	42	Claims in excess of 20																																																																																																																																																																																					
1203	280	2203	140	Independent claims in excess of 3																																																																																																																																																																																					
1204	84	2204	42	Multiple dependent claim, if not paid																																																																																																																																																																																					
1205	18	2205	9	**Reissue independent claims over original patent																																																																																																																																																																																					
				**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																					
SUBTOTAL (2)				(\$ 924.00)																																																																																																																																																																																					
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																									

SUBMITTED BY			Complete (if applicable)		
Name (Print/Type)	Timothy N. Thomas	Registration No. (Attorney/Agent)	35,714	Telephone	(317) 634-3456
Signature	<i>Timothy N. Thomas</i>			Date	September 18, 2003